ENVIRONMENTAL CHEMISTS

Date of Report: 08/09/00 Date Received: 08/03/00

Project: Metro Self Monitor, PO# M82559

Date Extracted: 08/03/00 Date Analyzed: 08/03/00

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

Sample ID	Chromium	Copper	Nickel	Zinc
Laboratory ID				
M82559	1.1	0.80	1.2	0.14 lc
008015-01				
Method Blank	<0.05	<0.05	<0.05	0.10

lc - The presence of the compound indicated is likely due to laboratory contamination.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/09/00 Date Received: 08/03/00

Project: Metro Self Monitor, PO# M82559

QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 007113-01 (Duplicate)

	된다 항송 및 동안상 보다 되게 뭐			Relative	일반문자 작가장가, 그리
	Reporting	Sample	Duplica	ite Percent	Acceptance
Analyte	Units	Result	Resul	t Difference	Criteria
Chromium	mg/L (ppm)	0.32	0.33	3	0-20
Copper	mg/L (ppm)	0.12	0.11	9	0-20
Nickel	mg/L (ppm)	0.12	0.11	9	0-20
Zinc	mg/L (ppm)	0.10	0.12	0	0-20

Laboratory Code: 007113-01 (Matrix Spike)

		Reporting	Spike	e Sample	e % Recov	ery	% Recov	ery	Acceptanc	e RPD
Analyte	, F.a.e., .	Units	Leve	l Result	MS		MSD	8	Criteria	7.24.24
Chromium	3/1845	mg/L (ppm)	5	0.32	94		100	400	80-120	6
Copper		mg/L (ppm)	5	0.12	88		99	All the	80-120	12
Nickel		mg/L (ppm)	10	0.12	92		97		80-120	5
Zinc		mg/L (ppm)	5	0.10	100		104		80-120	4

Laboratory Code: Laboratory Control Sample

	Reporting	Spike	% Recove	ry % Recov	ery Acceptanc	e
Analyte	Units	Level	LCS	LCSD	Criteria	RPD
Chromium	mg/L (ppm)	5	101	108	80-120	7
Copper	mg/L (ppm)	5	107	105	80-120	2
Nickel	mg/L (ppm)	10	98	105	80-120	7
Zinc	mg/L (ppm)	5	101	108	80-120	7

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

August 9, 2000

DUPLICATE COPY

INVOICE #00ACU0809-1

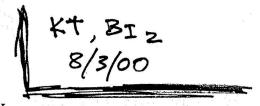
Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M82559- Results of testing requested by Gerald A. Thompson for material submitted on August 3, 2000.

FEDERAL TAX ID #(b) (6)

FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

#008015



SAMPLE CHAIN OF CUSTODY

Send Report To:	SKAN COR	pex Wo	xks	Contact	GERALD A.	Thomps
Address 628 3.7 City, State, Zip Sea	HANDORE WA	981	134			
Phone # 206-382	-8379	FAX #	206-3	82-47509	Date 8-7-0	<u>ა</u>
SITE NO.	······································	PROJE	ECT NAME		PURCHASE ORDE	ER#
7238	1	netro S	elf n	sovitor	m82555	
SAMPLERS (signature)					PROJECT LOCAT	ION
Jan 1	We -				3200 6th A	ve 5.
RĒMARKS					SAMPLE DISPOSAL INFO Dispose after 30 da	
				<u>B</u>	Return Samples	iys
	Date/Time	Type of	# of	Lab	Can for manuchon	
Sample #	Sampled	Sample	Jars	Sample #	Analyse Requeste	
m 82559	8/8/00 17.70	HZO	/	0	OR Cu	Vi Zw
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SIGNABURE Removished by		UNT NAME	;	COMPANY	Date	Time
XIII	> (ZERAL	DA. Tho	mp	Ach	1 8.300	1.75
Received by:	Carlo	Barres	7	FRT	8/3/00	1:20
Relinquished by	200705	Annes.		<u>' </u>		
Received by:		·				
			l			

'KIN/COC

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

August 9, 2000

Gerald A. Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on August 3, 2000 from your Metro Self Monitor, PO# M82559 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kate Trafton

Kate Top

Project Manager

Enclosures ACU0809R.DOC